



AF
DFW

Patent
PD-980034
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Donald C.D. Chang

: I hereby certify that this correspondence is
: being deposited with the United States Postal
: Service with sufficient postage as first class
: mail in an envelope addressed to:

Serial No.: 09/497,865
Filed: February 4, 2000

: Mail Stop AF, Commissioner for
: Patents, P. O. Box 1450, Alexandria, VA
: 22313-1450, on the date below:

For: AN IMPROVED PHASED ARRAY
TERMINAL FOR EQUATORIAL
SATELLITE CONSTELLATIONS

:
: 
: Georgann S. Grunebach
: Typed or printed name of person signing certificate

Group Art Unit: 3662
Examiner: ISSING, Gregory C.

: Date: March 23, 2006

SUPPLEMENTAL DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 (d) WITH FEE AS SET FORTH IN §1.17(p)

Mail Stop AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

The references were cited in a Notice of Allowability dated December 29, 2005 in related patent application serial number 09/973,270 filed October 5, 2001.

This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the issue fee as set forth in 37 C.F.R. § 1.97(d).

Certification Under 37 C.F.R. §1.97(e)

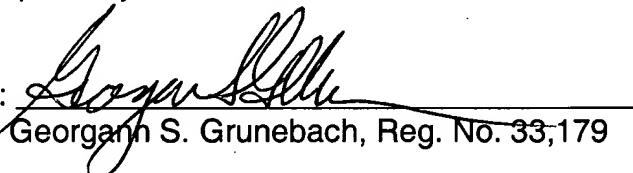
No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. §1.97(e)(2)).

PAYMENT OF FEE SET FORTH IN §1.17(p)

Please charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California, in the amount of \$180.00. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. **This form is being submitted in duplicate.**

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

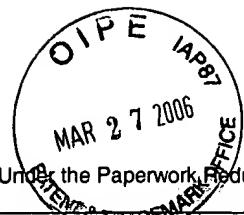
Respectfully submitted,

By: 
Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.
RE/R11/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615

March 23, 2006



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/497,865
		Filing Date	February 4, 2000
		First Named Inventor	Donald C.D. Chang
		Art Unit	3662
		Examiner Name	ISSING, Gregory C.
Date: March 23, 2006			
Sheet 1 of 1		Attorney Docket Number	PD-980034

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		KOBAYASHI et al.; "Aperture Jitter Effects in Wideband ADC Systems"; IEEE Proceedings of ICECS 1999 Electronics, Circuits and Systems; September 5-8, 1999, Vol. 3, pp. 1705-1708.	
		JUODAWLKIS et al.; "Optically Sampled Analog-to-Digital Converters"; IEEE Transactions on Microwave Theory and Techniques; Vol. 49, No. 10; October 10, 2001.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.